

Advisory Board Quarterly Meeting Fourth Quarter FY08

Presented to
District Energy Advisory Board

August 21, 2008



Agenda

- 1. Call to Order
- 2. Election of Chair & Vice Chair
- 3. Review & Approval of Previous Meeting Minutes
- 4. Summary of Performance
- 5. Natural Gas Purchasing Up-Date
- 6. Financial Report: 3rd Quarter FY08
- 7. FY2009 Budget Status Report
- 8. Capital Projects Review
- 9. Customer Contract Capacity Reviews
- 10. Other Board Member Items
- 11. Adjourn



- 1. Call to Order
- 2. Election of Chair & Vice Chair
- 3. Review and Approval of Previous Meeting Minutes



4. Summary of Performance

Contractor (CNDE) is in compliance with their contractual obligations for FY08.

- Excellent Performance No Improvement Necessary
- Satisfactory Performance Some Improvement Could Be Made
- Poor Performance Much Improvement Necessary



Summary Outline

- 1. Customer Cost Comparison
- 2. Operations
 - Steam: Sales, Sendout, Losses and HDD
 - Chilled Water: Sales, Sendout, Losses and CDD
- 3. Performance Measurement
 - Steam: Fuel, Electricity, Water
 - Chilled Water: Electricity, Water
- 3. Water Treatment
- 4. EGF Walkthrough
- 5. EDS Walkthrough



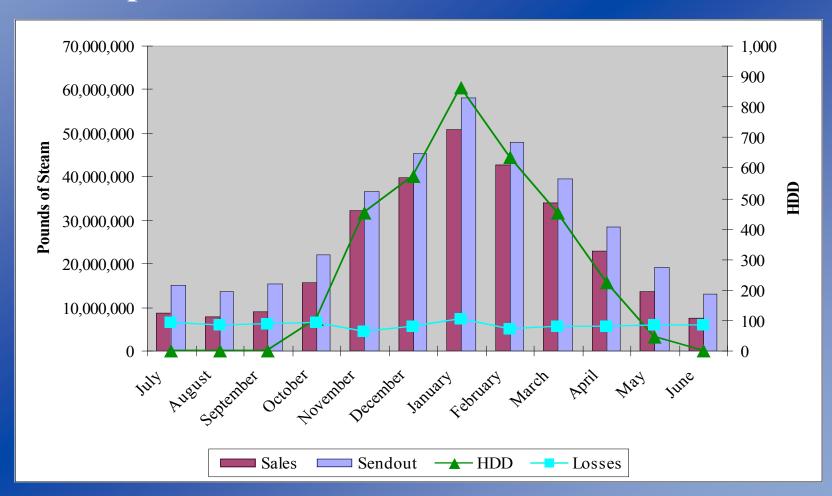
Summary Table 4: Customer Cost Comparison for FY07 and FY08

		Steam		Chilled Water				
	(\$ millions)			(\$ millions)				
	FY07	FY08	% Diff.	FY07	FY08	% Diff.		
Private	\$2.631	\$2.289	-13.0%	\$3.832	\$3.890	1.5%		
State	\$3.138	\$2.866	-8.7%	\$3.116	\$3.200	2.7%		
Metro	\$4.451	\$3.456	-22.4%	\$3.553	\$3.401	-4.3%		
New Customers	\$0.692	\$0.532	-23.1%	\$1.304	\$1.319	1.2%		
Aggregate	\$10.220	\$8.611	-15.7%	\$10.501	\$10.491	<0.1%		



FY08 Operations: Steam

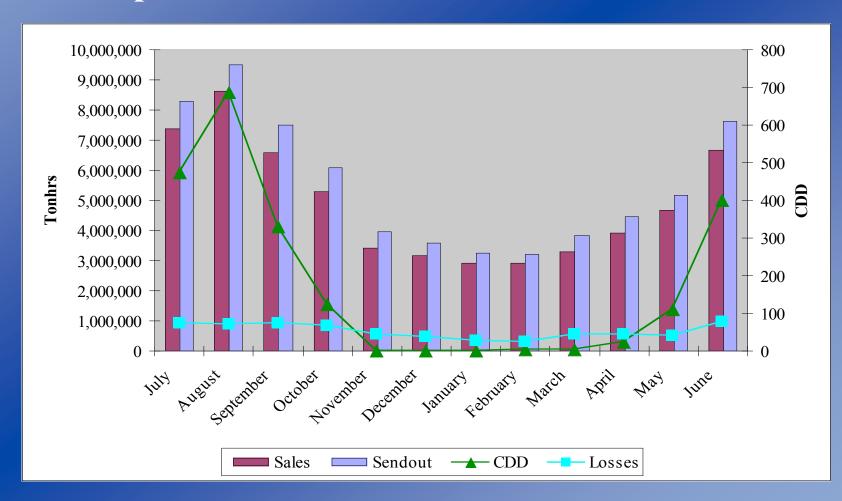






FY08 Operations: Chilled Water



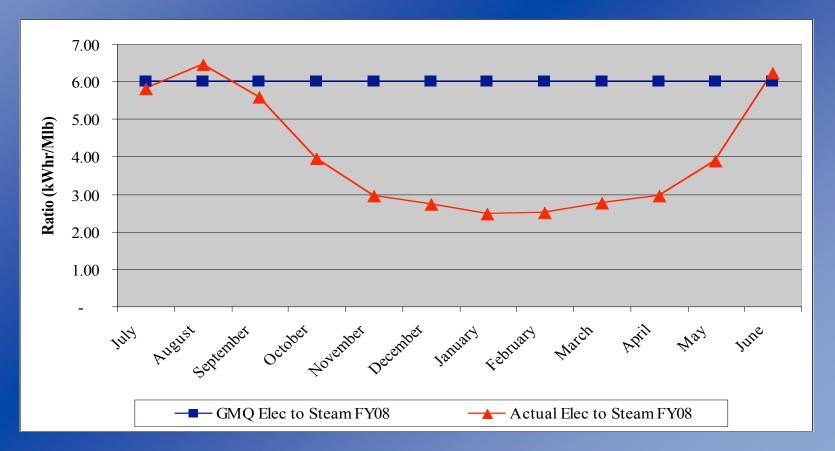




Performance Measurement FY08: Steam

Electric Conversion

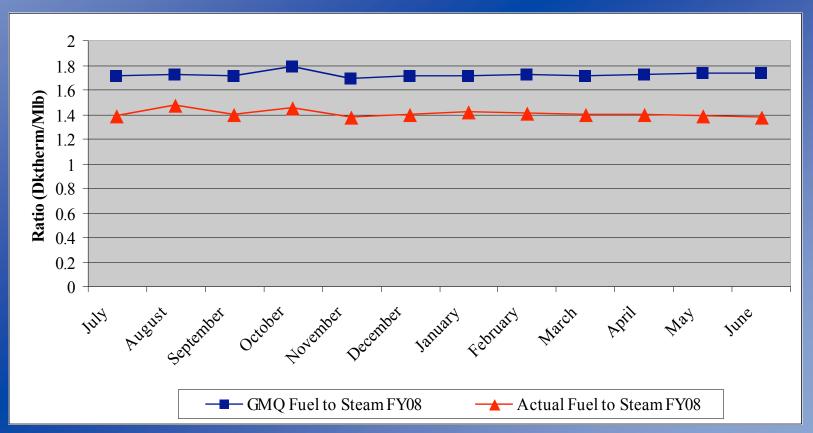






Performance Measurement FY08: Steam

Plant Efficiency

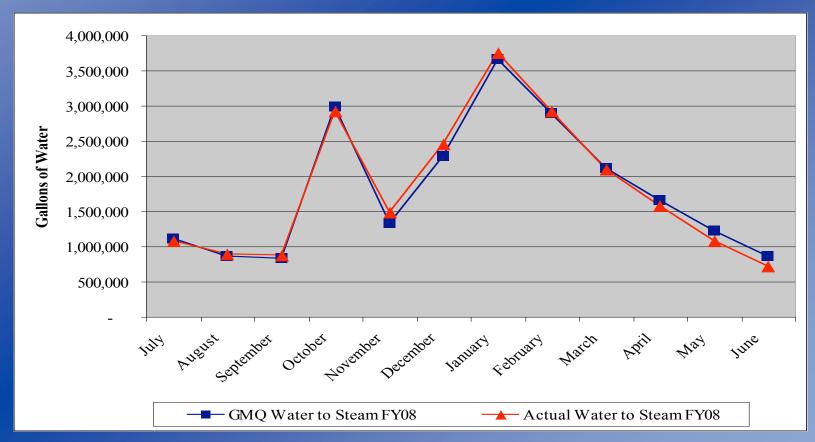




Performance Measurement FY08: Steam

Water Conversion

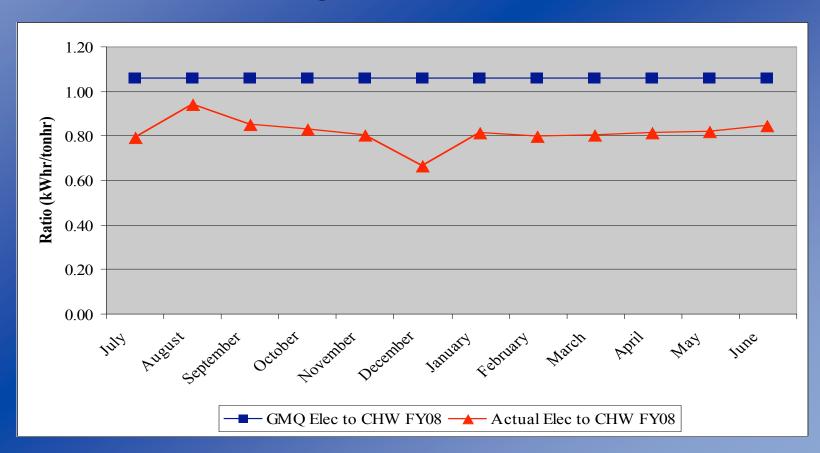






Performance Measurement FY08: Chilled Water

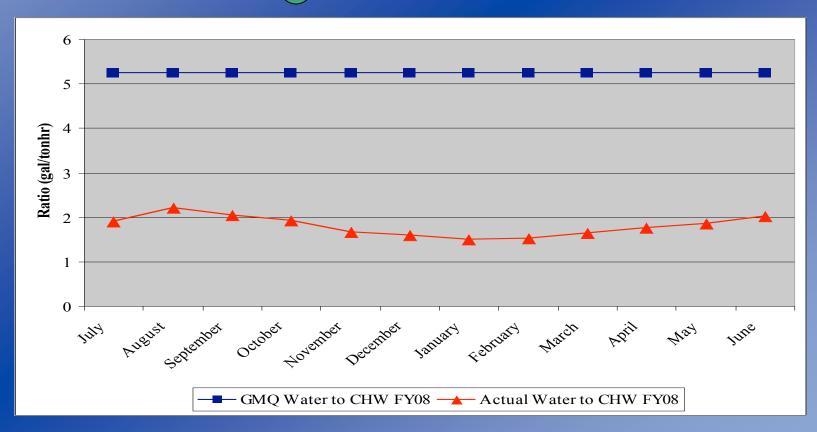
Electric Conversion





Performance Measurement FY08: Chilled Water

Water Conversion





Water Treatment

- Steam/Condensate
 - Corrosion
 - Hardness
 - Chlorine/Sulfite
- Condensing Water
 - Conductivity
 - Biologicals
- Chilled Water
 - Hardness
 - Corrosion
 - Biologicals



EGF Walkthrough

Quarterly Inspection Process

- Equipment Maintenance
- Operations
- Electrical
- Housekeeping
- Building Structure
- Building Exterior and Grounds



EDS Walkthrough

Quarterly Inspection Process

- Manhole/Tunnel Housekeeping
- Maintenance Items
 - Insulation Repair/Replacement
 - Water Infiltration
 - Corrosion of Structural Metal Components
- Safety Items



5. Natural Gas Purchasing Up-date

Natural Gas Purchasing Review

Table 5: FY08 Gas Spending & Budget Comparison

Actual Gas Costs for FY08

Projected Gas Costs for FY09

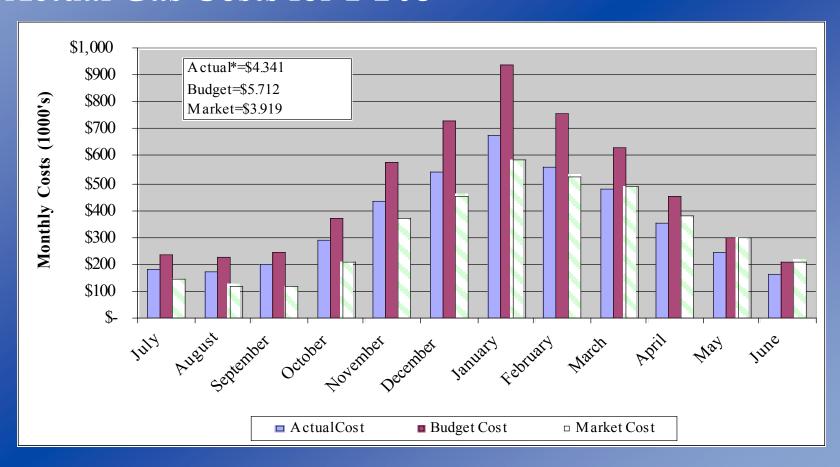


Table 5: FY08 Gas Spending & Budget Comparison

	Actual FY08 To date (June 30)	Budget FY08
Steam Sendout (Mlbs)	354,674	412,022
Fuel Use (Dth)	497,244	611,853
Plant Eff (Dth/Mlb)	1.402	1.485
Total Gas Cost	\$4,716,045	\$7,099,510
Unit Cost of Fuel (\$/Dth)	\$9.484	\$11.514

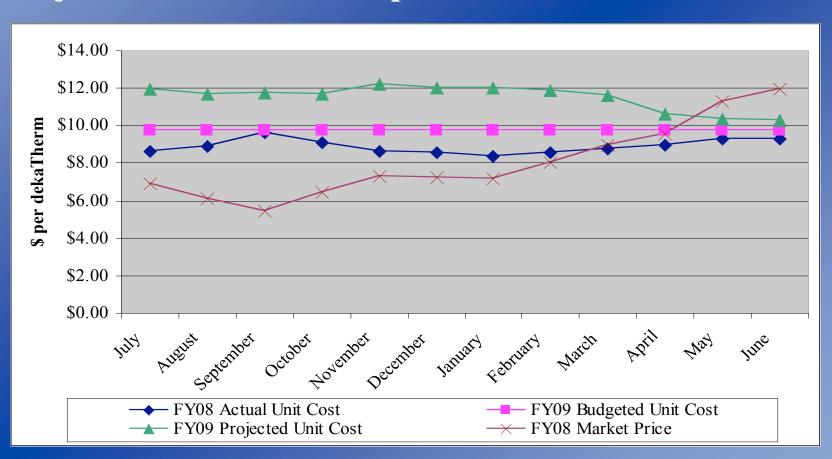


Actual Gas Costs for FY08





Projected Gas Cost Comparison for FY09





6. Financial Reports: FY08

Item	FY08 Budget		FY08 Post-True up		% Difference to Budget
* FOC: Basic	\$	3,739,971	\$	3,739,971	0.00%
* FOC: 9th Chiller	\$	35,044	\$	35,044	0.00%
* FOC: Change Order 6A	\$	69,187	\$	69,187	0.00%
* FOC: Change Order 6B	\$	60,571	\$	60,571	0.00%
**Chemicals	\$	156,500	\$	217,884	39.22%
**Engineering	\$	55,401	\$	21,160	-61.81%
Insurance	\$	41,200	\$	29,850	-27.55%
Marketing: CEPS Sales Activity	\$	27,000	\$	-	-100.00%
Metro Marketing	\$	53,730	\$	33,027	-38.53%
Incentive Payments	\$	29,200	\$	27,801	-4.79%
Project Administration	\$	25,640	\$	-	-100.00%
**Metro Incremental Cost	\$	617,560	\$	505,605	-18.13%
**Water/Sewer	\$	681,640	\$	469,390	-31.14%
**Natural Gas/Propane	\$	7,099,510	\$	4,854,177	-31.63%
**Electricity	\$	4,693,460	\$	4,014,589	-14.46%
* EDS Repair & Improvement	\$	166,435	\$	161,709	-2.84%
* EDS Surcharge	\$	66,463	\$	-	-100.00%
* Sub-total Operations	\$	17,618,512	\$	14,239,965	-19.18%
2002 Bonds	\$	4,297,569	\$	4,362,377	1.51%
2005 Bonds	\$	629,838	\$	629,837	0.00%
FY07 Projects	\$	227,769	\$	227,800	0.01%
FY08 Projects	\$	-	\$	-	n.a.
Debt Service Interest Revenue	\$	-	\$	-	n.a.
Oper. Reserve Funding Deposit	\$	191,460	\$	190,961	-0.26%
* Sub-total Debt Service	\$	5,346,635	\$	5,410,975	1.20%
* Overstatement of FOC's	\$	30,243			
* Total Expenses	\$	22,995,390	\$	19,650,940	-14.54%
Customer Revenues	\$	20,561,192	\$	17,953,792	-12.68%
Project Admin. Revenue	\$	25,640			
True up Credits to Customers			\$	(493,613)	
Total Metro Funding Amount	\$	2,408,558	\$	2,190,761	-9.04%

* Note: FY08 Budget used the 3% Escalator for the final budget instead of the 2.2% overstating Budgeted Total FOC's by \$30,243: i.e. \$22,995,400.

** Items Adjusted during True-up



FY2009 Budget Status Report

Proposed Budget

Item	FY08		FY09		% Difference
	Actual Costs		Budget		to Budget
		Post-True up			
FOC: Basic	\$	3,739,971	\$	3,852,170	3.00%
FOC: 9th Chiller	\$	35,044	\$	36,100	3.01%
FOC: Change Order 6A	\$	69,187	\$	71,260	3.00%
FOC: Change Order 6B	\$	60,571	\$	62,390	3.00%
**Chemicals	\$	217,884	\$	156,510	-28.17%
**Engineering	\$	21,160	\$	40,000	89.04%
Insurance	\$	29,850	\$	42,440	42.18%
Marketing: CEPS Sales Activity	\$	-	\$	27,000	n.a.
Metro Marketing	\$	33,027	\$	52,890	60.14%
Incentive Payments	\$	27,801	\$	30,150	8.45%
Project Administration	\$	_	\$	22,090	n.a.
**Metro Incremental Cost	\$	505,605	\$	585,420	15.79%
**Water/Sewer	\$	469,390	\$	681,600	45.21%
**Natural Gas/Propane	\$	4,854,177	\$	6,570,400	35.36%
**Electricity	\$	4,014,589	\$	4,437,300	10.53%
EDS Repair & Improvement	\$	161,709	\$	171,430	6.01%
EDS Surcharge	\$	-	\$	68,460	n.a.
Sub-total Operations	\$	14,239,965	\$	16,907,610	18.73%
2002 Bonds	\$	4,362,377	\$	4,361,770	-0.01%
2005 Bonds	\$	629,837	\$	631,590	0.28%
FY07 Projects	\$	227,800	\$	227,800	0.00%
FY08 Projects	\$	-	\$	220,500	n.a.
Debt Service Interest Revenue	\$	-	\$	(72,300)	n.a.
Oper. Reserve Funding Deposit	\$	190,961	\$	97,400	-48.99%
Sub-total Debt Service	\$	5,410,975	\$	5,466,760	1.03%
Total Expenses	\$	19,650,940	\$	22,374,400	13.86%
Total Expenses		12,000,240	¥	22,0 / 1,100	10.0070
Customer Revenues	\$	17,953,792	\$	19,746,600	9.99%
Project Admin. Revenue			\$	22,090	
True up Credits to Customers		(493,613)			
Total Metro Funding Amount	\$	2,190,761	\$	2,605,710	18.94%

^{**} Items Adjusted during True-up



7. Capital Projects Review

Financial Summary

Table 7: Capital Projects Summary

Active Project Status



Table 7: Capital Project Summary (06/30/08)

	Spent to End of FY07	FY08 Spending	Balance at End of FY08
2002A Bond	\$3,599,629	\$81,038	\$47,036
R&I Projects	\$132,104	\$161,709	\$356,621
2005B Bond	\$7,408,748	\$253,176	\$531,153
2007 Bond	\$1,979,628	\$641,142	\$237,729
2008 Bond	\$0	\$81,181	\$2,660,742
Total	\$13,120,109	\$1,218,246	\$3,833,281



Active Project Status

- DES 036: 4th Ave Tunnel Fan (R&I) in construction
- DES 041/054: Symphony CND in construction
- DES 042: 401 Union St. CND Replacement in closeout
- DES 045: MH 6 to MH 23 CND Replacement in construction
- DES 046: Ryman CND in design
- DES 047: State Tunnel CND Replacement in closeout
- DES 049: Temp. Blr Conn. @ MH 15 in closeout
- DES 050: MH Insulation in constr./ongoing
- DES 052: Wildhorse CND Tempering in construction



Return on Investment

- Capital Project ROI
 - − Boiler O₂ Trim
 - Power Factor Correction Capacitor
 - Condensate Return
 - New Customers
- Funding



8. Customer Contract Capacity Reviews

- Most Customers Incurring TIFS
- No Demand Excursions 4th Qtr FY08
- Cordell Hull High Demand 4 of past 12 months
- Union St Hydraulics JKP, TNT flow too high!
- Cooling Problems Most State, CJC, AA Birch, MCH
- CNDE Excellent Responsiveness!



9. Other Board Member Items

10. Adjourn